Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/20/2019 09:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122998	-2	2.28	123036	2.28
Blue	F	SSC	125000	122178	-3	3.75	122949	3.74
Blue	E	FITC	16694	16239	-3	3.75	376	22.01
Blue	D	PE	32792	32213	-2	3.07	711	16.27
Blue	B	PerCP-Cy5-5	44451	43697	-2	4.64	1198	22.95
Blue	A	PE-Cy7	33645	33514	-1	7.10	606	48.22
Red	C	APC	47008	46316	-2	3.03	1793	13.40
Red	A	APC-Cy7	32298	31690	-2	2.99	793	13.79
Violet	B	V450	8961	8506	-6	4.36	472	14.34
Violet	A	V500	32726	31180	-5	4.09	752	11.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19954	5.09	606	-7	N/A	N/A	Pass
Blue	F	SSC	55219	3.10	578	10	N/A	N/A	Pass
Blue	E	FITC	61	74.13	565	2	0.0155	148	Pass
Blue	D	PE	141	58.69	569	3	0.1411	339	Pass
Blue	B	PerCP-Cy5-5	220	57.33	674	3	0.0075	90	Pass
Blue	A	PE-Cy7	119	118.97	729	3	0.0088	22	Pass
Red	C	APC	407	28.60	612	-1	0.0191	116	Pass
Red	A	APC-Cy7	197	31.83	584	-1	0.0050	1480	Pass
Violet	B	V450	71	66.61	482	-4	0.0429	2042	Pass
Violet	A	V500	106	37.42	492	-4	0.0201	859	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.19	-32.55	1.04
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.80	13.60 - 20.40	N/A	N/A	29.31	30.08	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9548

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments